NT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		...gineer in-charge of the work.	
		...(W)PR\774\11-12; dated 03-10-12	
		...oundation work. First & part Bill	
		Amount = 10,000=00	
		Executive Engineer	
		building foundation	
		satisfactory by	
		from department.	

...ngineer,
...vision,

57 (Rule 116)
...rement Book

No. B

351038

Serial No. First and Part final bill:
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency ..... N.N. Srinivasaiah
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Name of work:- Construction of Entrance gate, Raising of chain link fencing and Flood light pole fixing etc., in Ward no.07, by Bangalore one building, providing Kataraya-naputa						
	Job code:-						
	old work order's No:-	NO.BBMP\EE\BTP\WO\769\15-16; date. 05-05-16.					
	New Agreement no:-	NO.BBMP\EE\Agr\267\16-17; date: 31-03-17					
	New work order no:-	NO.BBMP\EE\BTP\WO\267\16-17; date: 31-03-17.					
	Approved price:-	Rs. 1734253.18.					
	Date of completion:-	30-7-17					
	Date of recording:-	30-7-17.					

MEASUREMENT BOOK

Premeasurements recorded on:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:- Premeasurements recorded on - 27-3-17						
	Earthworks excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications:						
	columns:-	11.0	1.20	1.20	1.05	= 16.63	
	UG:-	2.0	11.90	0.90	0.90	= 19.28	
	SW:-	3.0	3.90	0.90	0.90	= 9.48	
						45.39 cum.	

27/3/17

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Deductions- columns	11
	Item No.02:- Premeasurement	
	Providing and layi	
	OPC cement @180 kgs; wit	
	coarse aggregates @ 0.	
	machine mixed, concrete	
	compacted, in foundation	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
27-3-17			
of buildings, culverts,			
al conduits either in			
dth, in ordinary soil not			
ing the bottom and sides			
vated soil clear from			
om after breaking of			
0	1.05 =	16.63	
90	0.90 =	19.28	
90	0.90 =	9.48	
		45.39 cum.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351039

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Deductions - columns	11.0	1.20	0.90	0.90 =	10.69 (-)	
					=	34.70 return	
						M. Hally. N.D AE(WS)	
	Item No. 02:- Premeasurements recorded on:- 06-4-17						
	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth including cost of all materials, labour						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	HOM of machinery; curing completed						
	Columns:	11·0	1·20	1·20	0·20	= 3·17	
	C/W:	02	11·90	0·90	0·15	= 3·21	
	S/W:	03	3·90	0·90	0·15	= 1·58	
	Foundation columns:	01	4·65	4·70	0·15	= 3·28	
		01	4·65	5·90	0·15	= 4·12	
		01	2·65	1·80	0·15	= 0·72	
						16·08 cum	
	Deductions:-	11	1·20	0·90	0·15	= 1·78 (-)	
						= 14·30 cum	
			Attd'd N.D AE (WS)				

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No 03:- Premeasureme
	Providing and cons
	in foundation with cement
	not less than 20cms high
	including cost of materia
	Below GL:-

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
1.20	0.20	= 3.17	
0.90	0.15	= 3.21	
0.90	0.15	= 1.58	
4.70	0.15	= 3.28	
5.90	0.15	= 4.12	
1.80	0.15	= 0.72	
		16.08 cum	
0.90	0.15	= 1.78 (-)	
		= 14.30 cum	
N.D			
AE (WP)			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351040

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No 03:- Premeasurements recorded on: 10-4-17						
	Providing and constructing granite/trap/basalt size stone masonry, in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high; bond stones at 1.00 m apart in each course including cost of materials, labour, curing complete as per specifications:						
	Below GL:-						
		02	11.60	0.60	0.60	= 8.35	
		03	4.20	0.60	0.60	= 4.54	
		02	11.30	0.45	0.65	= 6.61	
		03	4.50	0.45	0.65	= 3.95	
						23.45 cum	

10/4/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions → Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Deductions columns: (-)	11.0	0.45	0.23	1.25	= 1.42 (-) 22.03 cum.	
						Ar Lp Ll/f-ND AE(WF)	
Item No.04:-	Premeasurements recorded on:					14-4-17	
	Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar 1:6, edges of stones chisselled dressed in courses not less than 15cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications.						

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		02
		03
	Deductions:- (-)	11.0
	C&Pe	
	Lab	14/4/17
Item No.07:-	Premeasurements	
	Providing ruled pointing with cement mortar 1:3, 20mm deep, after	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
0.45	0.23	1.25	= 1.42 (-)	
			22.03 cum.	
			Nothing N.D AE(W)	
orded on:		14-4-17		
ring granite/trap/basalt size stone				
ment mortar 1:6, edges of stones				
less than 15cms high, bond stones				
rse including cost of materials,				
per specifications:				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351041

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		02	11.30	0.45	0.50	= 5.09	
		03	4.50	0.45	0.50	= 3.04	
						8.13 cum.	
	Deductions: (-)	1	0.45	0.23	0.50	= 0.57	
						7.56 cum:	
	Clyde 14/4/17						
						Nothing N.D AE(W)	
	Item No. 07:- Premeasurements recorded on:					14-4-17	
	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including cost of materials, labour, curing complete as per specifications:-	01	4.65	-	0.45	= 2.09 sqm	
						Asstt.W.M.D AE(W.S)	
	Item No.6:- Premeasurements recorded on: 14-4-17						
	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m, including cost of all labour complete as per specifications:						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	14/4/17	
	Item No.10:- Premeasuremen	
	Providing mild st	
	ching straightening, cut	
	lapping and forwelding	
	enforcing to the adjoinin	

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
	, curing complete as per		
–	0.45 = 2.09 sqm		
	Mrtply.ND AE(W)		
	on: 14-4-17		
	earth (excluding rock) in layers not exceeding 20cms in layer by ramming after lift upto 1.5m, including cost of cations:		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

351042

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		01	4.65	4.70	0.60 =	13.11	
		01	4.65	5.90	0.60 =	16.46	
						29.57 cum.	
						Mrtply.N.D AE(W)	
	Item No. 10:- Premeasurements recorded on: Providing mild steel reinforcement for RCC work including straightening straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire & anchoring to the adjoining members wherever necessary complete.,						

MEASUREMENT BOOK

Description:	No.	le	16mmφ	Steel 12mmφ	10mmφ	8mmφ
Column mat	11X2X2X 1·20		-	-	316·80	-

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Columns: MR	11X8X 5·70	501·60	-	-	-	
	Stirupps	11X2 9X 1·30	-	-	-	-	
	Pedastal	11X 8X1·5	132·00	-	-	-	
	Stirupps:	11X10X2·20	-	-	-	242·00	
	TOTAL:		633·60		316·80	656·70	
	Plinth beam						
		286X11·50	-	138·00			
		3X6X5·2	-	93·60			
		282X1·0	-	-	282·00		
	TOTAL			231·60	282·00		
	Lintel:-						
		2X5X11·30	-	113·00	-	-	
		3X5X5·0	-	75·00	-	-	
	Stirupps	192 1·00	-	-	-	192·00	
	TOTAL			188·00		192·00	
	chajja MR	42X0·75	-	-	31·50	-	
	DR	4X5·0	-	-	-	20·0	
	MR	69X0·75			51·75	32·00	
	DR	4X8			-		

TOTAL

Distribution

MR = 2X7X13·50 = 189·0

stirupps = 2X90X1 = - - - 180

MR 3X7X5·75 120·75 - - -

stirupps 3X38X1·0 - - 114·0

12mmDR TOTAL = 138X6·10 - 823·50 - -

8mmDR 5TX13·50 - - 688·50 -

22X13·50 - - 297·0 -

TOTAL 943·35 @ 1·58 = 1490·49 kg

= 1243·10 @ 0·89 = 1106·85

= 1385·55 @ 0·62 = 859·04

= 1496·70 @ 0·39 = 575·91

TOTAL = 4031·79

= 40·32 quintal

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ..

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item-No·08:- Premeasure
	Providing and re
	bredges of slabs. and
	materials, labour comp
	column footings:-
	columns
	Plinth beam
	Little

OOK

ith	Depth 6	Contents 7	Reference to last Measurement 8
	TOTAL		
	= 2x7x13.50 = 189.0	-	-
	= 2x90x1 =	-	- 180
	3x7x5.75	120.75	- - -
	3x38x1.0		- - 114.0
	-138x6.10	-	823.50 - -
	5Tx13.50	-	- 688.50 -
	22x13.50	-	- 297.0 -
	TOTAL 943.35 @ 1.58 =		1490.49 kg
	= 1243.10 @ 0.89 =		1106.35
	= 1385.55 @ 0.62 =		859.04
	= 1496.70 @ 0.39 =		575.91
		TOTAL =	4031.79
		½ 40.32 quintl	

M.P.W.D. A.E. (W)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 351043
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item-No-08:- Premeasurements recorded on: 25-04-17						
	Providing and removing centering, shuttering, struting, propping etc, bredges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete,						
	column footings:-	11x2	(1.20+1.20)		0.30	= 15.84	
		11x2	(0.60+0.60)		0.30	= 7.92	
	Columns	11x2	(0.45+0.22)		4.60	= 68.82	
	Plinth beam	2x2	11.30	-	0.35	= 15.82	
		3x2	4.50	-	0.35	= 9.45	
	Little	1x2	11.20	-	0.30	= 13.44	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		3x2	4.65	-	0.30	= 8.37	
		2x2	13.50	-	0.30	= 16.20	
	Beam	3x2	5.75	-	0.30	= 10.35	
		01	13.50	6.10	-	= 82.35	
	Roof slab:						
	Roof slab edge:	02	13.50	-	0.15	= 4.05	
		02	6.10	-	0.15	= 1.83	
	Chajja backside:	01	5.0	0.50	-	= 2.50	
	Right side:	01	8.10	0.50	-	= 4.05	
		2x2	0.45	-	0.10	= 0.18	
		01	5.0	-	0.10	= 0.50	
		01	8.10	-	0.10	= 0.81	
						262.48	sqm

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Deductions:	1x2
	1.5x2	
	3.14	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
–	0.30	= 8.37	
–	0.30	= 16.20	
–	0.30	= 10.35	
6.10	–	= 82.35	
–	0.15	= 4.05	
–	0.15	= 1.88	
0.50	–	= 2.50	
0.50	–	= 4.05	
–	0.10	= 0.18	
–	0.10	= 0.50	
–	0.10	= 0.81	
		262.48	sqm

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351044

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Deductions:	1	(0.45	+0.23)	0.85	= 12.92 (–)	
	1.45 x 2					249.76 sqm	
	1.45 x 4						
	Assistant Engineer Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.						
				Arithmetic N.D AE (W7)			

MEASUREMENT BOOK

Main-Bill:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.No.01:- Earthworks excavation for foundation of buildings..,Ctd..,						
	Qty vide page.No.	3511	35103		→ 34.70 cum		
	At the rate of Rs:	172.00 →					5968.00
	Item.No.02:- Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size..,						
	Qty vide page.No..	3511	35103		→ 14.30 cum		
	At the rate of Rs:	4757.00 →					68025.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item.No.03:- Providing and in foundation with cem
	Qty vide page.No.
	At the rate of Rs:
	Item.No.04:- Providing and masonry in basement
	Qty vide page No

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
tion	of buildings..., Ctd...,		
→	34.70 cum		5968.00
	plain cement concrete of n 40mm and ↓size...,		
→	14.30 cum		68025.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351045

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No. 03:- Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses: Qty vide page No. 3511/351040 → 22.03 cum At the rate of Rs: 3610.00 →						79528.00
	Item No. 04:- Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar 1:6, Ctd..., Qty vide page No 3511/351041 → 7.56 cum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							33702.00
	At the rate of Rs:	4458.00 →					
	Item No.07:-						
	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete.,						
	Qty vide page No. 351/351041 →					2.09 Sqm	
	At the rate of Rs: 98.00 →						204.80
	Item No.06:-						
	filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Qty vide page
	At the rate of
	Item No.10:-
	Providing mild
	Qty vide pag
	At the rate
	Item No.08:-
	Providing an

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
→				33702.60
coursed	stone	masonry	with	
er	raking	joints	to depth of 20mm	
terials,	labour,	curing		
41 → 2.09 sqm)				204.80
d	earth	(excluding	rock)	
in	layers	not exceeding	20cms	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 351046
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page	No. 3511	351042 → 29.57 cum.				
	At the rate of	Rs: 115.00 →					3400.00
	Item No.10:-						
	Providing mild steel reinforcement for RCC work.,						
	Qty vide page	No. 3511	351042 → 40.32 qntl				
	At the rate of	Rs:	7830.00 →				315705.60
	Item No.08:-						
	Providing and removing centering, shuttering, strutting..,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page No. 3511		351044	→ 249.76 sqm			
	At the rate of Rs: 686.00 →						171335.30
	Item No. 09:-						
	Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:5:3 blocks of size 40x20x20 cms (lxbxh) strength not less than 50kg per sqm with cement mortar 1:4 confirming to IS: 2185 of 1967 having not less than 40mm. shell thickness with two or more large cavities and having solid materials, labour charges, scaffolding, curing complete as per specifications..						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	For wall portion:
	steps - front portion:
	Right side:

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
→ 24	9.76 sqm		171335.30
load bearing wall with			
hollow blocks) of proportion 1:5:3			
h) strength not less than 50 kg			
conforming to IS: 2185 of 1967			
thickness with two or more			
d materials, labour charges,			
s per specifications.)			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 351047
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	For wall portion:	01	11.20	-	3.50	= 39.20	
		01	11.20	-	3.00	= 33.60	
		03	4.65	-	2.70	= 37.67	
	steps - front portion:	01	2.80	1.80	-	= 5.04	
		01	2.80	1.50	-	= 4.20	
		01	2.80	1.20	-	= 3.36	
		01	2.80	0.90	-	= 2.52	
		01	2.80	0.70	-	= 1.96	
	right side:	01	2.60	0.80	-	= 2.08	
		01	2.35	0.30	-	= 0.71	
		01	2.05	0.30	-	= 0.62	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Parapet:-	01	13.50	–	0.90	= 12.15	
		01	5.90	–	0.90	= 5.31	
		01	5.15	–	0.90	= 4.64	
		01	1.00	–	0.90	= 0.90	
						153.96 Sq.m	
	Deductions:- (–)	01	1.90	–	2.10	= 3.99	
		01	2.00	–	2.10	= 4.20	
	AH	05	1.50	–	1.50	= 11.25	
	AH1	02	1.80	–	1.50	= 5.40	
	Little.	02	11.20	–	0.30	= 6.72	
		03	4.65	–	0.30	= 4.19	
						(–) 35.75 Sq.m	
				TOTAL=		118.21 Sq.m	

Chief Engineer.
Asst Executive Engineer,
Yadigehalli Sub Division,
Ananka Zone, B.B.M.P.
Bangalore.

A.E.E(W.T) N.D

Received a sum of Rs: 1023.50 →

120928.80

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Item No.05:-	
	Providing and layin	
	mix M30 with OPC cement	
	granite metal coarse agg	
	@ 0.460 cum with superp	
	(a) Upto plinth beam:-	
	Column footings:-	
	Pedestal	11.
	column	11.
	plinth beam	2.

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	0.90 =	12.15	
	0.90 =	5.31	
	0.90 =	4.64	
	0.90 =	0.90	
		153.96 Sq.m	
	2.10 =	3.99	
	2.10 =	4.20	
	1.50 =	11.25	
	1.50 =	5.40	
	0.30 =	6.72	
	0.30 =	4.48	
	(-)	35.75 Sq.m	
OTAL =		118.21 Sq.m	
			120928.80

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351048

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.05:-						
	Providing and laying in position reinforced cement concrete of design mix M30 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates., @ 0.69 cum and fine aggregates @ 0.460 cum with superplasticiers:						
	(a) Upto plinth beam:-						
	Column footings:	11.0	1.20	1.20	0.30 =	4.75	
	Pedastal	11.0	0.60	0.60	0.30 =	1.19	
	Column	11.0	0.45	0.23	0.60 =	0.68	
	plinth beam	2.0	11.30	0.23	0.30 =	1.56	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		3·0	4·50	0·23	0·30 =	0·93	
	Deductions - columns (-)	11·0	0·45	0·23	0·30 =	(0·34)	
					=	8·77 cum	
(b)	Upto roof slab:-						
	Columns:	11·0	0·45	0·23	4·00 =	4·55	
	Little - Lw.	02	11·20	023	0·30 =	1·55	
		01	5·00	0·45	0·10 =	0·23	
		01	8·10	0·45	0·10 =	0·36	
	s/w	03	4·65	0·23	0·30 =	0·96	
	Roof beam - Lw	02	13·50	0·23	0·30 =	1·86	
		03	5·75	0·23	0·30 =	1·19	
	Roof slab:	01	13·50	6·10	0·15 =	12·35	
						23·05 cum	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Deductions (-) columns
	At the rate
	Item No. 11:-
	Providing and f
	frame and diagonal
	MS gusset plates.,
	MS the rate

Assistant Executive Engineer
Sub Division

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0·23	0·30 =	0·93	
0·23	0·30 =	(0·34)	
	=	8·77 cum	
0·23	4·00 =	4·55	
023	0·30 =	1·55	
0·45	0·10 =	0·23	
0·45	0·10 =	0·36	
0·23	0·30 =	0·96	
0·23	0·30 =	1·86	
0·23	0·30 =	1·19	
6·10	0·15 =	12·35	
		23·05 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 351049
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Deductions(-)columns	11·0	0·45	0·23	0·60 =	0·68(-)	
						22·37 cum.	
			(A+B) →			= 31·14 cum.	
	At the rate of Rs:		5952·00 →				185345·00
	Item No. 11:-						
	Providing and fixing 1mm thick M.S. sheet sliding shutters with frame and diagonal braces of 40x40x6 mm angle iron 3.15mm thick						
	its gusset plates.,						
	(4) (3P)	01	1·90	-	2·10 =	3·99 sq.m	
	At the rate of Rs:		3576·00 →				14262·20

Assistant Executive Engineer
Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 12:-						
	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings.,						
	AW	05	1.50	-	1.50	= 11.25	
	AW1	02	1.80	-	1.80	= 5.40	
						16.65 sqm	
	At the rate of Rs: 3232.00 →						53812.00
	Item No 13						
	Providing and fixing M.S. grill work for windows and ventilators weighting 21 kg/sqm using M.S. flat or M.S square rods, or combination of M.S flats & square rods as per approved						

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	design, drawing., AW AW1 At the rate

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
ion in cement concrete 1:3:6				
tors side hung/top hung				
drawings.)				
–		1.50	= 11.25	
–		1.80	= 5.40	
			16.65 sqm	
232.00 →				53812.00
grill work for windows and				
using M.S flat or M.S square				
& square rods as per approved				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351050

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	design, drawing.)						
	AW	05	1.50	–	1.50	= 11.25	
	AW1	02	1.80	–	1.50	= 5.40	
						16.65	
		= [5 × 15 × 15 × 10]		= 1125.00			
		= [02 × 16 × 15 × 10]		= 4800.00			
				1605.00		350.00	
			@ 0.62	kg/cum	= 99.5 kg		
					= 98.0 kg		
		98.00					Supply. N.D
	At the rate	of Rs: 350.00 →					AE(W)
		NDR AE(W)					34300.00

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 14:- Providing vitrified tiles 60x60 cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar..						
	Flooring:	01	4.65	5.90	-	= 27.44	
		01	4.65	4.70	-	= 21.86	
	skirting	04	4.65	0.10	-	= 1.86	
		02	5.90	0.10	-	= 1.18	
		02	4.70	0.10	-	= 0.94	
						53.28 Sq.m	
							58874.00
	At the rate of Rs: 1105.00 →						
	Item No 15: Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off..						

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Outside plastering:-	
	For wall portion:	0
		01
		02
	Steps- front portion- sides	02
		02
		02
		02
		02
	Parapet:	02
		02

BOOK

ions		Contents	Reference to last Measuremen
Breadth 5	Depth 6	7	8
ms of approved make, shade			
12mm thick cement mortar.)			
5.90	-	= 27.44	
4.70	-	= 21.86	
0.10	-	= 1.86	
0.10	-	= 1.18	
0.10	-	= 0.94	
		53.28 Sq.m	
			58874.00
5.00 →			
plaster in single coat with			
ny including rounding off.)			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351051

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Outside plastering:-						
	For wall portion:	01	11.20	-	3.90 =	43.68	
		01	11.20	-	3.45 =	38.64	
		02	5.15	-	3.15 =	32.45	
	Steps- front portion- sides	02	2.80	-	0.15 =	0.84	
		02	2.80	-	0.15 =	0.84	
		02	2.80	-	0.15 =	0.84	
		02	2.80	-	0.15 =	0.84	
		02	2.80	-	0.15 =	0.84	
	Parapet:	02	13.50	-	0.90 =	24.30	
		02	5.90	-	0.90 =	10.62	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		02	5.15	-	0.90	= 9.27	
		02	1.00	-	0.90	= 1.80	
						164.96 Sq.m.	
	Deductions -Rs.						
		01	1.90	-	2.10	= 3.99	
		01	2.00	-	2.10	= 4.20	
		05	1.50	-	1.50	= 11.25	
		02	1.80	-	1.50	= 5.40	
						24.84 Sq.m	
				TOTAL=		140.12 Sq.m	
							19757.00
	At the rate of Rs:	141.00 →					
	Item No.16:- Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off...						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Inside plastering:	
	Deductions -Rs:	
	At the rate of	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
–	0·90 =	9·27	
–	0·90 =	1·80	
		164·96 sq.m.	
–	2·10 =	3·99	
–	2·10 =	4·20	
–	1·50 =	11·25	
–	1·50 =	5·40	
		24·84 sq.m	
TOTAL=		140·12 sq.m	
			19757·00
plaster in single coat with ... including rounding o/t. ...			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 351052

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Inside plastering:	04	4·65	–	3·00 =	55·80	
		02	5·90	–	3·00 =	35·40	
		02	4·70	–	3·00 =	28·20	
						119·40 sq.m	
	Deductions - Rs:	01	1·90	–	2·10 =	3·99	
		01	2·00	–	2·10 =	4·20	
		05	1·50	–	1·50 =	11·25	
						(–) 24·84 sq.m	
					TOTAL=	94·56 sq.m.	
	@ the rate of Rs: 141·00 →						13332·90

(C & E Dept 1/16)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.17:-						
	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners;						
	Ceiling plastering:-	01	4.65	4.70	-	= 21.86	
		01	4.65	5.90	-	= 27.44	
	Chajja:-	02	5.00	0.45	-	= 4.50	
		02	8.10	0.45	-	= 7.29	
		04	0.45	0.10	-	= 0.18	
		01	5.00	0.10	-	= 0.50	
		01	8.10	0.10	-	= 0.81	
	Road slab projection:-	01	13.20	1.10	-	= 14.52	
		01	13.20	0.95	-	= 12.54	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work ../../.....

Date	Full description, etc, of work
1	2
	Beam sides:
	Item No.18:
	Providing a distemper of approve priming coat with d surface;

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			plaster in single coat with	
ding	rounding off corners)			
-	4·70	-	= 21·86	
	5·90	-	= 27·44	
	0·45	-	= 4·50	
	0·45	-	= 7·29	
	0·10	-	= 0·18	
	0·10	-	= 0·50	
	0·10	-	= 0·81	
	1·10	-	= 14·52	
0	0·95	-	= 12·54	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351053

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		02	5.15	1.15	- =	11.85	
	Beam sides:	06	1.10	0.30	- =	1.98	
		08	1.15	0.30	- =	2.76	
						106.23 Sq.m.	
	Clerk 16/6/17						
	Assistant Executive Engineer, Kodigehalli Division, the Zone, B.B.M.P., Bangalore.						19440.00
	Item No. 18: Providing and applying two coats of approved brand and shade of oil bound washable distemper on wall surface including priming coat with distemper primer after throughly brooming the surface.:		the rate of Rs:	183.00 →			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Item No: 16 → 94.56					
		Item No: 17 → 106.23					
				200.798 sqm			
	At the rate	of Rs: 65.00 →					13051.35
	Item No.19:-						
	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade..						
	Qty same as Item No.15 →			140.12 sq.m			
	At the rate of Rs. 67.00 →						9388.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No.20:- Providing
	At the
	Item No.21:- Providing

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	94·56		
	06·23		
	·798 sqm		
	→		13051·35
	ting in two coats with		
	brand on wall surface to		
	→	140·12 sqm	
	→		9388·00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351054

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 20:-						
	Providing and applying enamel metal paint two coats..,						
		2.25	1.0	2.0	-	2.10 = 9.45	
		1.0	5.0	1.50	-	1.50 = 11.25	
		1.0	2.0	1.80	-	1.50 = 5.40	
						35.08 sqm	
							2806.40
	At the rate of Rs. 80.00 →						
	Item No. 21:-						
	Providing and laying heavy duty cobble stones 60 mm thick						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	3.90	5.50	-	= 21.45	
		01	21.60	15.20	-	= 328.32	
		01	6.46	3.95	-	= 25.28	
						375.05 Sq.m	
	Assistant Executive Engineer. Kodigehalli Sub Division Yelahanka Zone						329669.00
	Item No. 22:- Bangal						
	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in C.C.						
	Near backside gate (bus stop)	12.6	2.90	-	-	= 34.80	
	Hopcoms	8.0	0.90	-	-	= 7.20	
	North side	2.0	1.90	-	-	= 3.80	
		1.0	2.60	-	-	= 2.60	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	Assistant Executive Engineer. Kodigehalli Sub Division Yelahanka Zone Bangalo
	Item No. 23:- Providing an of 14 including rei between the two the chain link wi Playground elde:-

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
	5.50	-	= 21.45	
	15.20	-	= 328.32	
	3.95	-	= 25.28	
			375.05 Sq.m	
				329669.00
.00 →				
Rectangular			poles made out of	
elded together			and fixed in C.C.	
0	-	-	= 34.80	
90	-	-	= 7.20	
90	-	-	= 3.80	
60	-	-	= 2.60	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 351055
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Assistant Executive Engineer. Kadugodi Sub Division, Krishnarajapuram Zone, B.B.M.P., Bangalore.	01	3.30	-	-	= 3.30	
						51.70 Sq.m	
	At the rate Slo Rs. 1088.00 →						56249.60
	Item No. 23:- Providing and fixing M.S. block pipe of 38mm dia. of heavy gauge of 14 including removing the bends, cutting the pipe and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe..						
	Playground side:-	03	6.00	-	-	= 18.00	
		02	5.00	-	-	= 10.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New gate portion:	04	21.00	–	– =	84.00	
		01	15.00	–	– =	15.00	
		04	1.50	–	– =	6.00	
		06	2.00	–	– =	12.00	
		04	2.30	–	– =	9.20	
		04	2.00	–	– =	8.00	
						162.20 RD	
							51255.20
	Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.						
	At the rate of Rs. 316.00 →						
	Item No. 24: –						
	Providing chain link fencing 50mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the face ends shall be welded						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	to the pole and and
	Assistant Executive E... Kodigehalli Sub Div... Yelahanka Zone, B.... Bangalore. 31/7/...

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
–	– =	84.00	
–	– =	15.00	
–	– =	6.00	
–	– =	12.00	
–	– =	9.20	
–	– =	8.00	
		162.20 m	
			51255.20

ng 80mm size of G.I pipe
ngular poles and fixed
e ends shall be welded

M. A. R. 57 (Rule 116)
Measurement Book

No. B

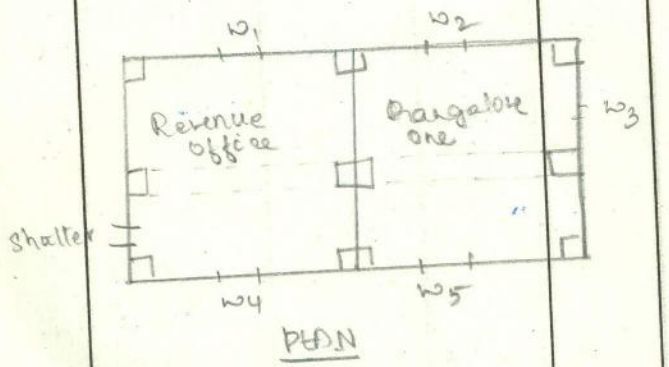
Serial No. .....
Name of Work ..... From..... To..... 351056
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to the pole and and block pipe at top and bottom as required.)						
		01	21.00	-	2.15 =	45.15	
		01	15.00	-	0.90 =	13.50	
		01	1.50	-	2.00 =	3.00	
		01	2.00	-	2.50 =	5.00	
		01	2.30	-	2.50 =	5.75	
		01	2.00	-	3.00 =	6.00	
		03	6.00	-	1.00 =	18.00	
		02	5.00	-	1.00 =	10.00	
						106.40	89.00

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At the rate of Rs:		669.00 →			71182.00	
						GRAND TOTAL = 173152.00	
						Apply N.D AE(Lr) 30/7/17	



PLAN

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CERTIFICATE:- 1) Certified that the wo 2) Certified that debris Apply N.D AE(Lr)

OK

Depth 6	Contents 7	Reference to last Measurement 8
	71182.00	
ND TOTAL =	173152.15	
Mr. N.D AE(LR) 30/7/17		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

351057

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	CERTIFICATE.- 1) Certified that the work done by the contractor is satisfactory. 2) Certified that debris has been removed from the work spot. Mr. N.D AE(LR)						

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, BBMP,
Bangalore.

Accepted all measurements as it full & final settlement

Sreenivasaiah M

(N. N. SRINIVASAIAH)

IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
Today R: 44202-00			
IT - 442-00			
CgST - 442-00			
SgST - 442-00			
Cess 442-00			
CBF - 44-00			
Adj: 1812-00			
Chq: 42390-00.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

351058

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ					Total R: 17	31530-00
						IT -	17315-00
						CgST -	17315-00
						SgST -	17315-00
						Cess -	17315-00
						CBF -	1732-00
						LR -	13583-00
						Fine.	3000-00
						Adj.	8575-00
						Chq R:	1647955-00

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 1731530-00
ಗಳಿಗೆ ಪಾವು ಮಾಡಿದೆ: ಇದುವರೆ ರೂ 87575-00
ಮೊಂಜಾನೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1643955-00
ರೂ ಕಡಿಮೆಗಳು ಲಕ್ಷ ನಲುವತ್ತ ಮೂರು ಸಾವಿರದ
ಸ್ವಂತ ಹಾಗೂ ವೃತ್ತಿಯ ಮುಖಾಂತರ ವಿನಿಯೋಗಿಸಿದ್ದು ಅಳವಡಿಸಿ.
ಲೆಕ್ಕಾಧಿಕಾರಿ